Fig. 1

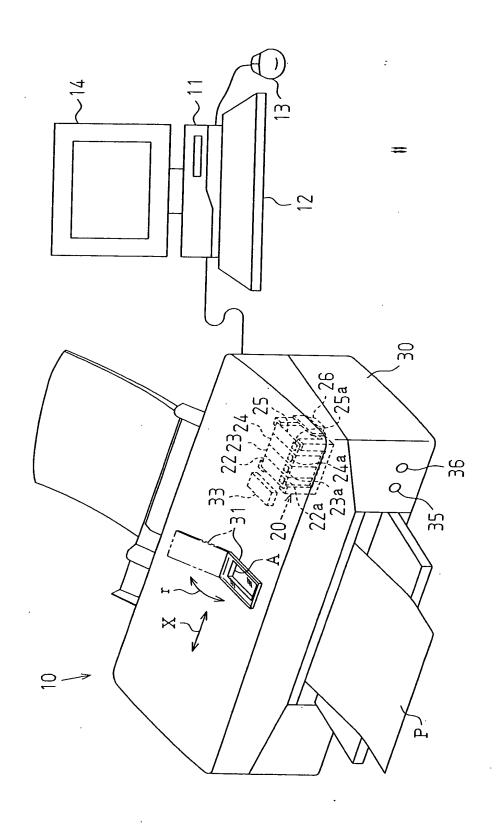


Fig. 2

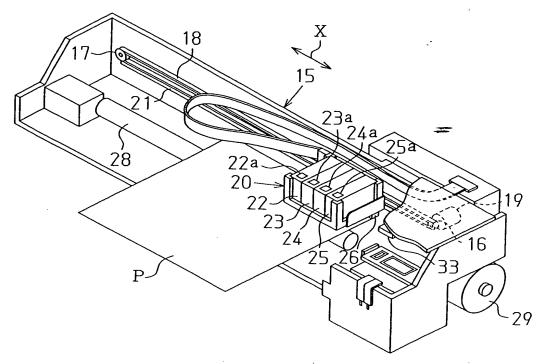
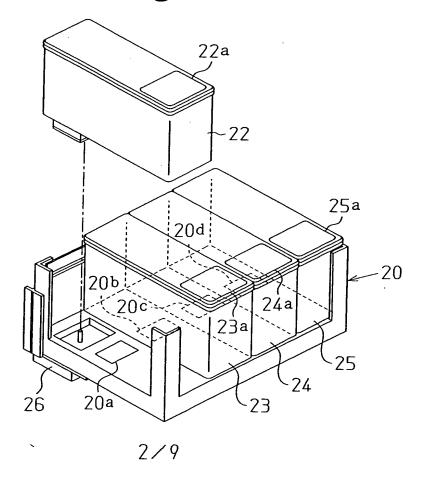
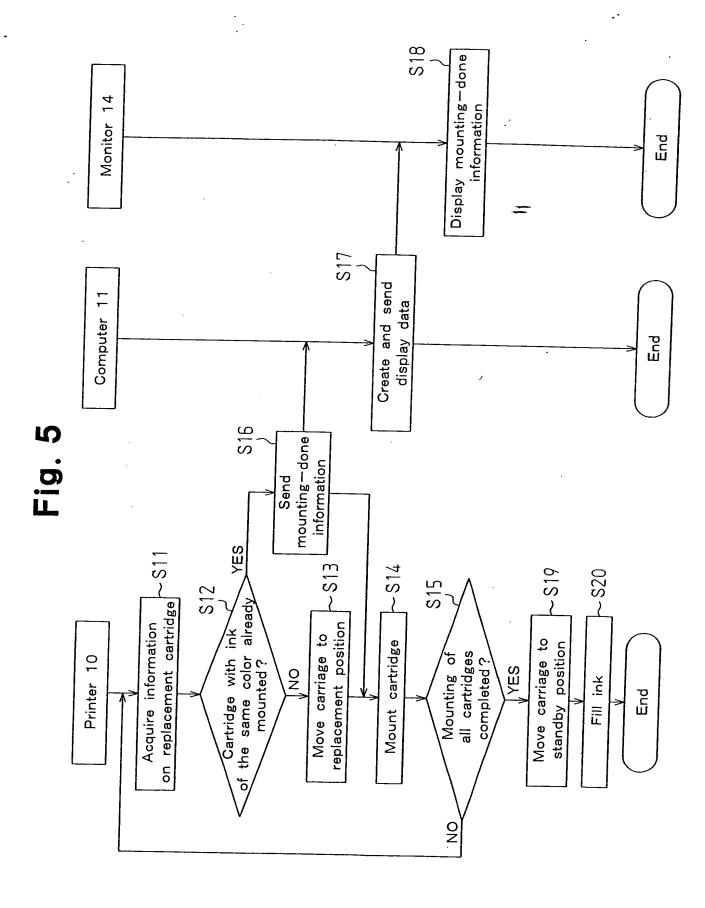


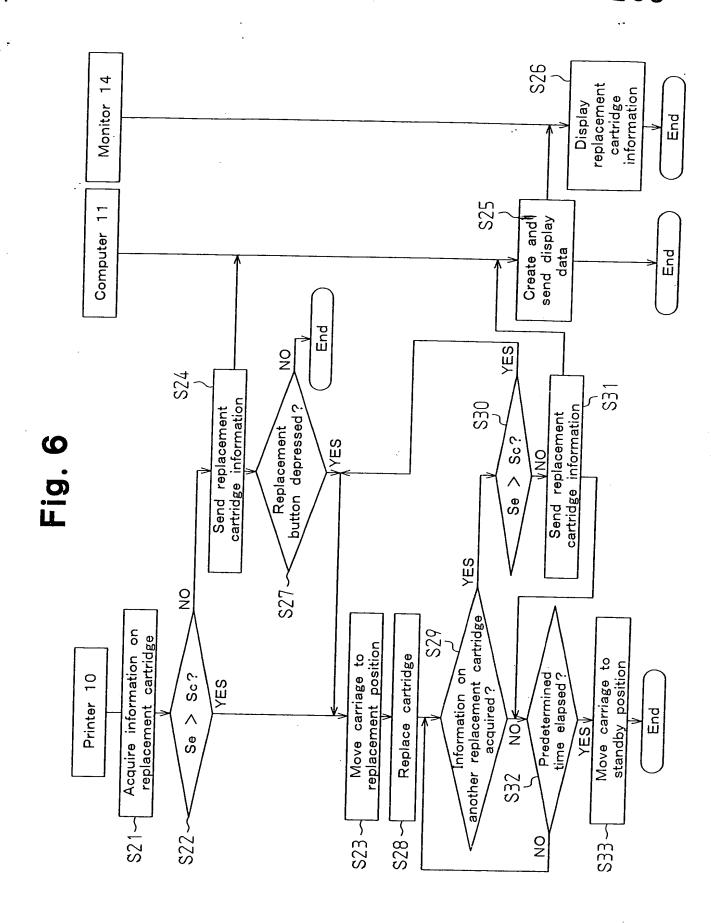
Fig. 3



< 20d -25a Cartridge Wireless Sensor 35 Tag Supply Button Power - 20c ~24a Cartridge Sensor Wireless Tag Communication Wireless Section C 20b ~23a Cartridge Sensor Wireless Tag $\frac{1}{2}$ Memory ر 20a Section Replacement Data 36 -22a Mouse Button Cartridge Sensor Wireless Tag ~43 \sim 12 23 Piezoelectric Memory Section Program ROM Head Drive Section Element Keyboard Carriage-Motor RAM Carriage Section Drive Motor 46 CPU 45 Monitor CPU Feed-Motor 29 ഹ Drive Section Sheet Feed Motor

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843 848 Display run-out-of-ink cartridge being different cartridge information Display replacement Monitor 14 End End 245 **2**47 Create and send Create and send Computer 11 display data display data End End Fig. 7 846 Send information 8 Send run-out-of-ink S44 Acquire information on replacement cartridge Move run-out-of-ink cartridge information replacement position color as run-out-of-Ink of the same Printer 10 cartridge to YES

Fig. 8

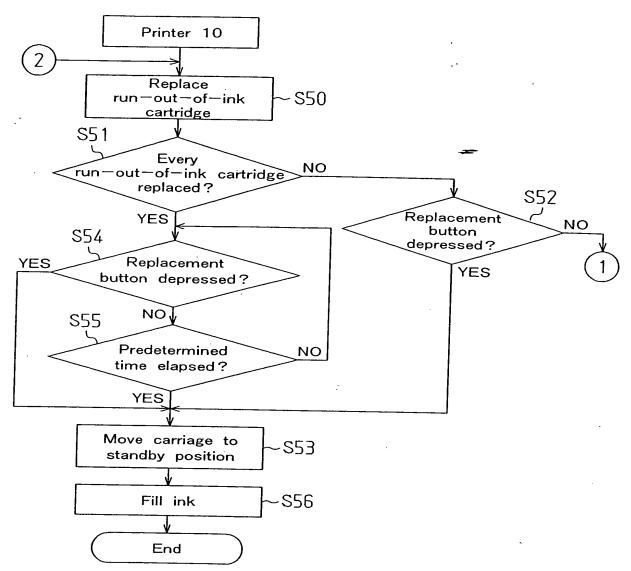
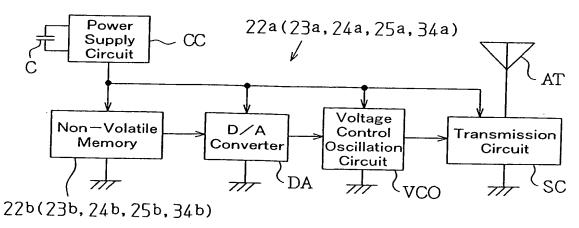


Fig. 9



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Fig. 10(a)

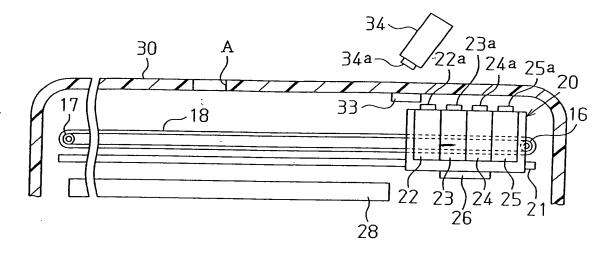


Fig. 10(b)

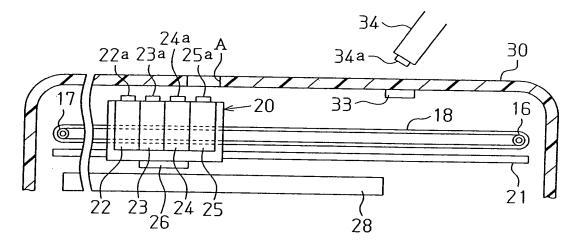


Fig. 10(c)

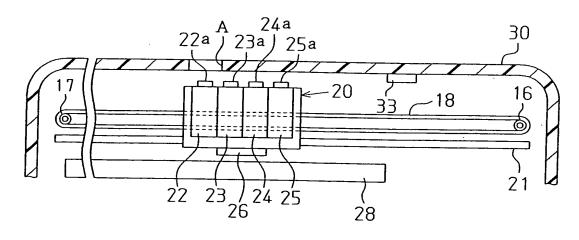


Fig. 11

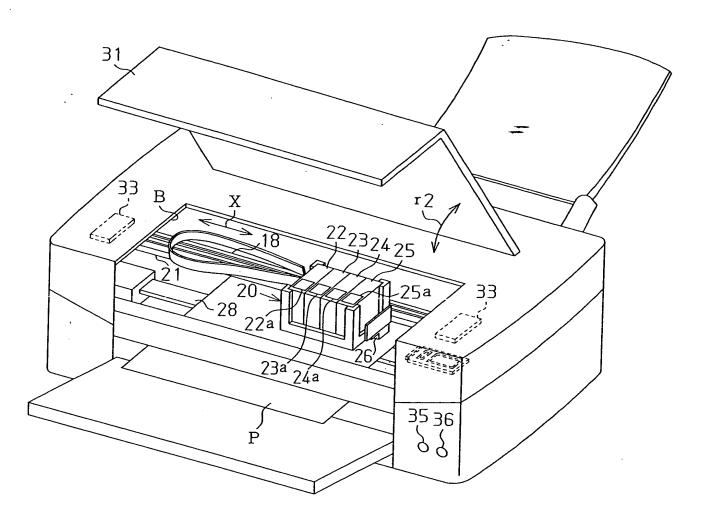


Fig. 12

